TEJUS
CONSULTANTS

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.
Consultants	Tejus Consultants, Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SIEVE ANALYSIS

Total Weight:	3000 gms		
Type of Material	Fine aggregate (M sand)	Proposed Use	concrete
Sample Location	15th cross,Hegdenagar 2nd Main	Date of Sampling	15-07-2020
		Date of Testing	16-07-2020

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	224	224	7.47	92.53	90 - 100
2.36 mm	312	536	17.87	82.13	75 - 100
1.18 mm	422	958	31.93	68.07	55 - 90
0.600 mm	492	1450	48.33	51.67	35 -59
0.300 mm	714	2164	72.13	27.87	8-30
0.150 mm	646	2810	93.67	6.33	0 - 10
Pan	190	3000			-

Remarks : ✓ Satisfactory / Not Satisfactory

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS
CONSULTANTS

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike				
Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	Sri. P Hemanth (SOORYA CREATERS)				
Total Weight:	10000	gms			

SIEVE ANALYSIS

Type of Material	20 mm down size		Proposed Use	Concrete	
Sample Location	15th cross,Hegdenagar 2nd Main		Date of Sampling	15-07-2020	
			Date of Testing	16-07-2020	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	268	268	2.68	97.32	95 - 100
10.00 mm	4838	5106	51.06	48.94	25 - 55
4.75 mm	4222	9328	93.28	6.72	0 - 10
Pan	672	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory /Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS
CONSULTANTS

TEST REPORT	
Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (M sand)	Proposed Use	concrete
Location/Source	15th cross,Hegdenagar 2nd Main	Date of Sampling	15-07-2020
Period of Soaking	24 hours	Date of Testing	16-07-2020

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.	648	650	658	
B	Weight of oven - dry sample gm.	640	642	648	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1682	1683	1690	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.656	2.653	2.667	2.658
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.250	1.246	1.543	1.346

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory /Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

TEJUS CONSULTANTS

Authorised Signatory

A.E.E (Project)

TEJUS
CONSULTANTS

KERB STONE (CORE) TEST REPORT

Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.
Client	:	Bruhat Bengaluru Mahanagara Palike
Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Consultant	:	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
No.of Sample Tested	:	3
Date of Testing	:	16-07-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength
1	50.00	85.00	0.385	2306.81	1.70	0.960	29.68	15.12	16.33	15.67	19.59
2	50.00	85.00	0.382	2288.84	1.70	0.960	29.62	15.09	16.29	15.64	19.55
3	50.00	85.00	0.386	2312.80	1.70	0.960	29.58	15.06	16.27	15.62	19.52

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported reported within 90 days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

Consultant's Representative

CIVIL XPERTS
ISO 9001:2015
CONSULTANTS & TESTING CENTER

Highway / Building Material Testing | Structural Strengthening Solutions
Quality Control / Assurance / Audit | Proof Checking (Structural Designs & Drawings)
Soil Stabilization and Shoring Services | Non - Destructive Testing

NABL ACCREDITED AS PER ISO/IEC 17025:2017

Job No.:CECTC-MT-IWD-072-2020-21

Date: 16.07.2020

TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client	:	Bruhat Bangalore Mahanagara Palike.
Contractor	:	Sri.P Hemanth (SOORYA CREATERS), Bangalore.
Name of Consultant	:	Tejus Consultants
Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 3rd Main and Surrounding Roads in Ward No - 6.
Sample Identification	:	10mm, 12mm. TMT Fe 500 Bars
Technical Reference	:	IS 1786:2008, IS 1608:2005, IS 1599:1985 (Reaffirmed 2006)
Date of test:	:	16.07.2020

Sl.No	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH		
			0.20 % proof stress/ yield stress ($N/mm^{2)}$	Tensile strength ($N/mm^{2)}$	Elongation, percent on gauge length
1	10	0.620	534	571	16
2	12	0.888	541	583	17

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

A.E.E. (Project)

For Civil Experts

Authorised Signature

174, Sri Ranga Complex, Amrutha Nagar Main Road, New Bank Colony, Konanakunte, Bangalore - 560 062.
Mobile : +91 97429 59595 | Tel/Fax : 080 2632 2565 | Email : civilexpertsltd@gmail.com | URL : www.civilexperts.co.in

TEJUS
CONSULTANTS

Test Report on Cement

Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.6.
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Sample ID	Cement (ACC Cement) OPC 43 Grade
Date of Sample Tested	16-07-2020
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	106 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	384 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	5mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	29.00%	25 % to 35

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory /Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS
CONSULTANTS

KERB STONE (CORE) TEST REPORT

Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.
Client	:	Bruhat Bengaluru Mahanagara Palike
Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Consultant	:	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
No.of Sample Tested	:	3
Date of Testing	:	17-07-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	85.00	0.385	2306.81	1.70	0.960	29.52	15.03	16.24	15.59	19.48
2	50.00	85.00	0.390	2336.77	1.70	0.960	29.50	15.02	16.23	15.58	19.47
3	50.00	85.00	0.374	2240.90	1.70	0.960	29.62	15.09	16.29	15.64	19.55

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported reported within 90 days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

Consultant's Representative

TEJUS
CONSULTANTS

Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.
Client	BRUHAT BANGALORE MAHANAGARA PALIKE
Consultant	M/s Tejus Consultants
Contractor	Sri. P Hemanth (SOORYA CREATERS)

Field Dry Density test by Sand Replacement Method (As per IS 2720 (Part 28))

Date of Testing	17-07-2020		
Layer no. or level	GSB layer		
Depth of hole	200mm		
Field density:	1	2	2
Chainage	15th Cross road,Hegdenagar 2nd main '@130.00	15th Cross road,Hegdenagar 2nd main '@130.00	15th Cross road,Hegdenagar 2nd main '@130.00
Wt. of wet material from hole (Ww) gms.	5980	5986	5994
Wt. of sand+cylinder before pouring (w1) gms.	15000	15000	15000
Wt. of sand+cylinder after pouring (w2) gms.	10582	10576	10572
Wt. of sand in hole+ cone (w3) gms.	4418	4424	4428
Wt. of cone gms.	1080	1080	1080
Wt. of sand gms.	3338	3344	3348
Bulk density of sand (ys)gm/cc	1.32	1.32	1.32
Bulk density of material(i.e. wt. of the wet material) (yb)=(Ww/w4*(ys))gm/cc	2.36	2.36	2.36
Moisture meter reading(moisture content)	6.50	6.40	6.40
Result			
FDD(Wt.of the dry material)=(100yb/100+mc)gm/cc	2.22	2.22	2.22
MDD	2.25	2.25	2.25
OMC	6.30%	6.30%	6.30%
% compaction obtained	98.69	98.70	98.71
% compaction required	98%	98%	98%

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E (Project)

Authorised Signatory

TEJUS
CONSULTANTS

TEST REPORT	
Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (M sand)	Proposed Use	PCC
Location/Source	15th cross,Hegdenagar 2nd main	Date of Sampling	17-07-2020
Period of Soaking	24 hours	Date of Testing	18-07-2020

Sl. No.	Test Property		TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.		660	637	674	
B	Weight of oven - dry sample gm.		650	628	666	
C	Weight of Pycnometer Filled with water gm		1275	1275	1275	
D	Weight of Pycnometer + sample + water gm		1690	1676	1698	
E	Bulk specific gravity	B / (C + A - D)	2.653	2.661	2.653	**2.656**
G	Absorption (%)	(A - B) *100 / B	1.538	1.433	1.201	**1.391**

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory /Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS
CONSULTANTS

TEST REPORT

Clients	Bruhath Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Total Weight in gm:	3000

SIEVE ANALYSIS

Type of Material	40 mm down size	Proposed Use	PCC
Sample Location	15th cross,Hegdenagar 2nd main	Date of Sampling	18-07-2020
		Date of Testing	19-07-2020

IS Sieve Size	Weight Retained in gm	Cum. Weight Retained in gm	Cumulative Weight Retained in %	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA-2007) % of Passing For Graded Aggregate of Nominal Size
80.00mm	0	0	0.00	100.00	100
63.00mm	0	0	0.00	100.00	-
40.00mm	82	82	2.73	97.27	95-100
20.00mm	1410	1492	49.73	50.27	30-70
10.00mm	982	2474	82.47	17.53	10-35
4.75mm	452	2926	97.53	2.47	0-5
Pan	74	3000	100.00	0.00	

Remarks : ✓ Satisfactory / Not Satisfactory

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4.The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS
CONSULTANTS

Test Report on Cement

Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Sample ID	Cement (ACC Cement) OPC 43 Grade
Date of Sample Tested	18.07.2020
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	104 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	532 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	6 mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.00%	25 % to 35

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory /Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS
CONSULTANTS

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.
Consultants	Tejus Consultants, Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SIEVE ANALYSIS

Total Weight:	3000 gms			
Type of Material	Fine aggregate (M sand)		Proposed Use	PCC
Sample Location	15th cross,Hegdenagar 2nd main		Date of Sampling	18-07-2020
			Date of Testing	19-07-2020

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	212	212	7.07	92.93	90 - 100
2.36 mm	315	527	17.57	82.43	75 - 100
1.18 mm	412	939	31.30	68.70	55 - 90
0.600 mm	488	1427	47.57	52.43	35 -59
0.300 mm	752	2179	72.63	27.37	8-30
0.150 mm	624	2803	93.43	6.57	0 - 10
Pan	197	3000			-

Remarks : Satisfactory / Not Satisfactory

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS
CONSULTANTS

Test Report on Cement

Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Sample ID	Cement (ACC Cement) OPC 43 Grade
Date of Sample Tested	21.07.2020
Sample Supplied By	Agency

SLNo.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	108 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	505 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	4mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	28.00%	25 % to 35

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory /Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS
CONSULTANTS

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.
Consultants	Tejus Consultants, Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SIEVE ANALYSIS

Total Weight:	3000 gms		
Type of Material	Fine aggregate (M sand)	Proposed Use	PCC
Sample location	Temple road, Hegdenagar 2nd main	Date of Sampling	21-07-2020
		Date of Testing	22-07-2020

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	210	210	7.00	93.00	90 - 100
2.36 mm	322	532	17.73	82.27	75 - 100
1.18 mm	426	958	31.93	68.07	55 - 90
0.600 mm	488	1446	48.20	51.80	35 -59
0.300 mm	752	2198	73.27	26.73	8-30
0.150 mm	630	2828	94.27	5.73	0 - 10
Pan	172	3000			-

Remarks : ✓ Satisfactory / Not Satisfactory

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

PRECAST SLAB (CORE) TEST REPORT

TEJUS CONSULTANTS

Client	:	Bruhat Bangalore Mahanagara Palike
Contractor	:	Sri. P Hemanth (SOORYA CREATERS)
Name of Work	:	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.
No of Sample Tested	:	3
Date of Testing	:	20-07-2020
Technical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M20_100mm thick

Sl.No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	90.00	0.456	2580.43	1.80	0.960	39.36	20.05	21.65	20.78	25.98
2	50.00	90.00	0.460	2603.07	1.80	0.960	39.40	20.07	21.67	20.80	26.01
3	50.00	90.00	0.452	2557.80	1.80	0.960	39.52	20.13	21.74	20.87	26.09

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Consultant's Representative

TEJUS
CONSULTANTS

TEST REPORT	
Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (M sand)	Proposed Use	PCC
Location/Source	Temple road, Hegdenagar 2nd main	Date of Sampling	20-07.2020
Period of Soaking	24 hours	Date of Testing	21-07.2020

Sl. No.	Test Property		TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.		664	636	668	
B	Weight of oven - dry sample gm.		655	626	660	
C	Weight of Pycnometer Filled with water gm		1275	1275	1275	
D	Weight of Pycnometer + sample + water gm		1692	1676	1694	
E	Bulk specific gravity	B / (C + A - D)	2.652	2.664	2.651	2.655
G	Absorption (%)	(A - B) *100 / B	1.374	1.597	1.212	1.395

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory /Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS
CONSULTANTS

TEST REPORT

Clients	Bruhath Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Total Weight in gm:	3000

SIEVE ANALYSIS

Type of Material	40 mm down size	Proposed Use	PCC
Sample Location	Temple road, Hegdenagar 2nd main	Date of Sampling	21-07-2020
		Date of Testing	22-07-2020

IS Sieve Size	Weight Retained in gm	Cum. Weight Retained in gm	Cumulative Weight Retained in %	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA-2007) % of Passing For Graded Aggregate of Nominal Size
80.00mm	0	0	0.00	100.00	100
63.00mm	0	0	0.00	100.00	-
40.00mm	85	85	2.83	97.17	95-100
20.00mm	1400	1485	49.50	50.50	30-70
10.00mm	982	2467	82.23	17.77	10-35
4.75mm	460	2927	97.57	2.43	0-5
Pan	73	3000	100.00	0.00	

Remarks : ✓ Satisfactory / Not Satisfactory

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS
CONSULTANTS

TEST REPORT

Clients	Bruhath Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Total Weight in gm:	3000

SIEVE ANALYSIS

Type of Material	40 mm down size	Proposed Use	PCC
Sample Location	14th cross,Hegdenagar 2nd main	Date of Sampling	23-07-2020
		Date of Testing	24-07-2020

IS Sieve Size	Weight Retained in gm	Cum. Weight Retained in gm	Cumulative Weight Retained in %	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA-2007) % of Passing For Graded Aggregate of Nominal Size
80.00mm	0	0	0.00	100.00	100
63.00mm	0	0	0.00	100.00	-
40.00mm	88	88	2.93	97.07	95-100
20.00mm	1404	1492	49.73	50.27	30-70
10.00mm	972	2464	82.13	17.87	10-35
4.75mm	460	2924	97.47	2.53	0-5
Pan	76	3000	100.00	0.00	

Remarks : Satisfactory / Not Satisfactory

Note:
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory/Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory

TEJUS
CONSULTANTS

Test Report on Cement

Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No..
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Sample ID	Cement (ACC Cement) OPC 43 Grade
Date of Sample Tested	23.07.2020
Sample Supplied By	Agency

Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	110 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part-5)	464 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	5 mm	Not More than 10 mm
3	Standard Consistency	IS-4031 (Part-4)	27.00%	25 % to 35

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory /Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

TEJUS CONSULTANTS

Authorised Signatory

A.E.E. (Project)

TEJUS
CONSULTANTS

TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction of CC Drains and Roads in RK Hegdenagar 2nd Main and Surrounding Roads in Ward No.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (M sand)	Proposed Use	PCC
Location/Source	14th cross,Hegdenagar 2nd main	Date of Sampling	22-07.2020
Period of Soaking	24 hours	Date of Testing	23-07.2020

Sl. No.	Test Property		TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.		644	652	666	
B	Weight of oven - dry sample gm.		635	644	656	
C	Weight of Pycnometer Filled with water gm		1275	1275	1275	
D	Weight of Pycnometer + sample + water gm		1680	1685	1694	
E	Bulk specific gravity	B / (C + A - D)	2.657	2.661	2.656	2.658
G	Absorption (%)	(A - B) *100 / B	1.417	1.242	1.524	1.395

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory /Site.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

A.E.E. (Project)

TEJUS CONSULTANTS

Authorised Signatory